



V09062

UHER

COMPACT DISC PLAYER

1200 CD

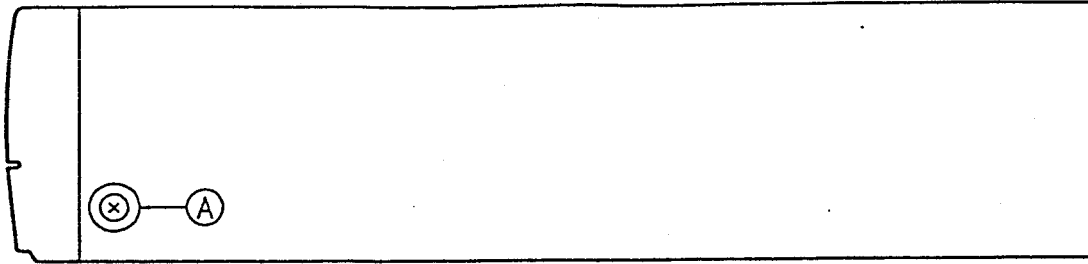


Figure 1

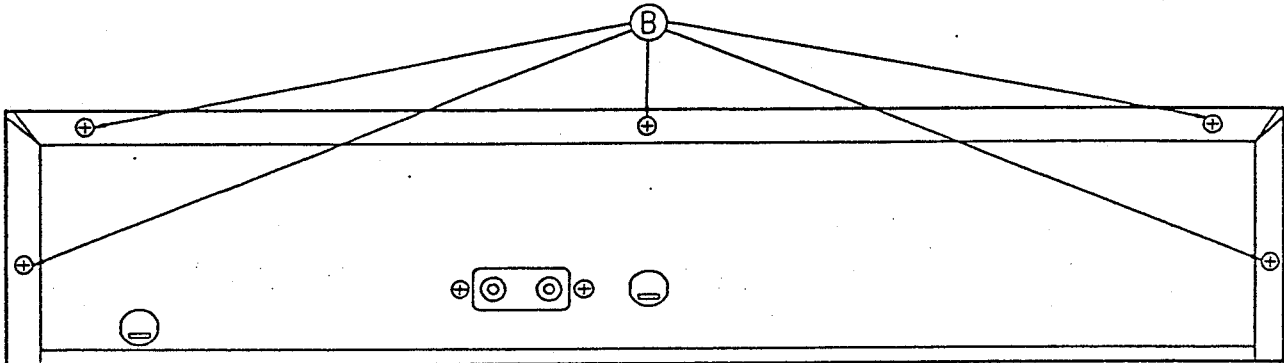


Figure 2

TO REMOVE TOP COVER

1. Remove 2 screws (A) from left and right sides of top cover. (See Fig. 1)
2. Remove 5 screws (B) from back panel of top cover. (See Fig. 2)
3. Top cover can now be removed.

Adjustment Locations

CD DECODER PCB

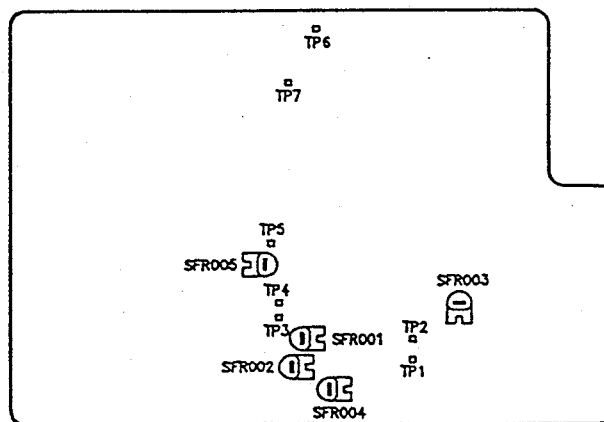


Figure 3

Uher
1200 CD

MODEL NO. COMPACT 1200CD
COMPACT DISC PLAYER

SPECIFICATIONS

PLAYBACK SYSTEM

COMPACT DISC DIGITAL AUDIO

TYPICAL AUDIO PERFORMANCE

FREQUENCY RANGE
OUTPUT IMPEDANCE
OUTPUT LEVEL
AMPLITUDE LINEARITY
SIGNAL-TO-NOISE RATIO
CHANNEL SEPARATION
T.H.D. (INCL. NOISE)
INTERMODULATION DISTORTION

20Hz - 20kHz
10k ohm//300pF
1.7 Vrms
±1.0dB
> 84dB W/F
> 78dB W/F (1kHz)
< 0.1% W/F (1kHz)
-60dB (AT MAX. OUTPUT)

OPTICAL READOUT SYSTEM

LASER TYPE
NUMERICAL APERTURE
WAVE LENGTH

SEMICONDUCTOR AL CA AS
0.456
780 nm

POWER SUPPLY

POWER SOURCE
POWER CONSUMPTION

AC 230V, 50Hz
8.5 WATT WITH 4 DIGIT LCD DISPLAY

DIMENSION

W=41.9cm(16-1/2") x H=8.5cm(3-3/8") x
D=35.4cm(13-15/16")

WEIGHT

4 kgs (8.8 lbs)

RF PLL VCO Adjustment

Test Points: TP5, TP6, TP7

1. Short TP5 and TP6, in stop mode.
2. Frequency counter connect to TP7, adjust SFR005, let counter reading as $4.2418\text{MHz} \pm 10\text{KHz}$ (4.2318-4.2518).
3. Open TP5 and TP6 after above procedures.

Focus Bias Adjustment

Test Points: TP1, TP2

1. In play mode.
2. Scope connect to TP1 (RF) and TP2 (GND).
3. Adjust SFR003 let RF waveform output to maximum.

EF Balance Adjustment

Test Points: TP2, TP3, TP4

1. In play mode, scope connect to TP4 and TP2 (GND), TP2 and TP3 short.
2. Adjust SFR004 symmetrize to DC 0V.
3. See Fig. 4

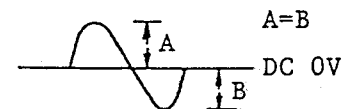


Figure 4

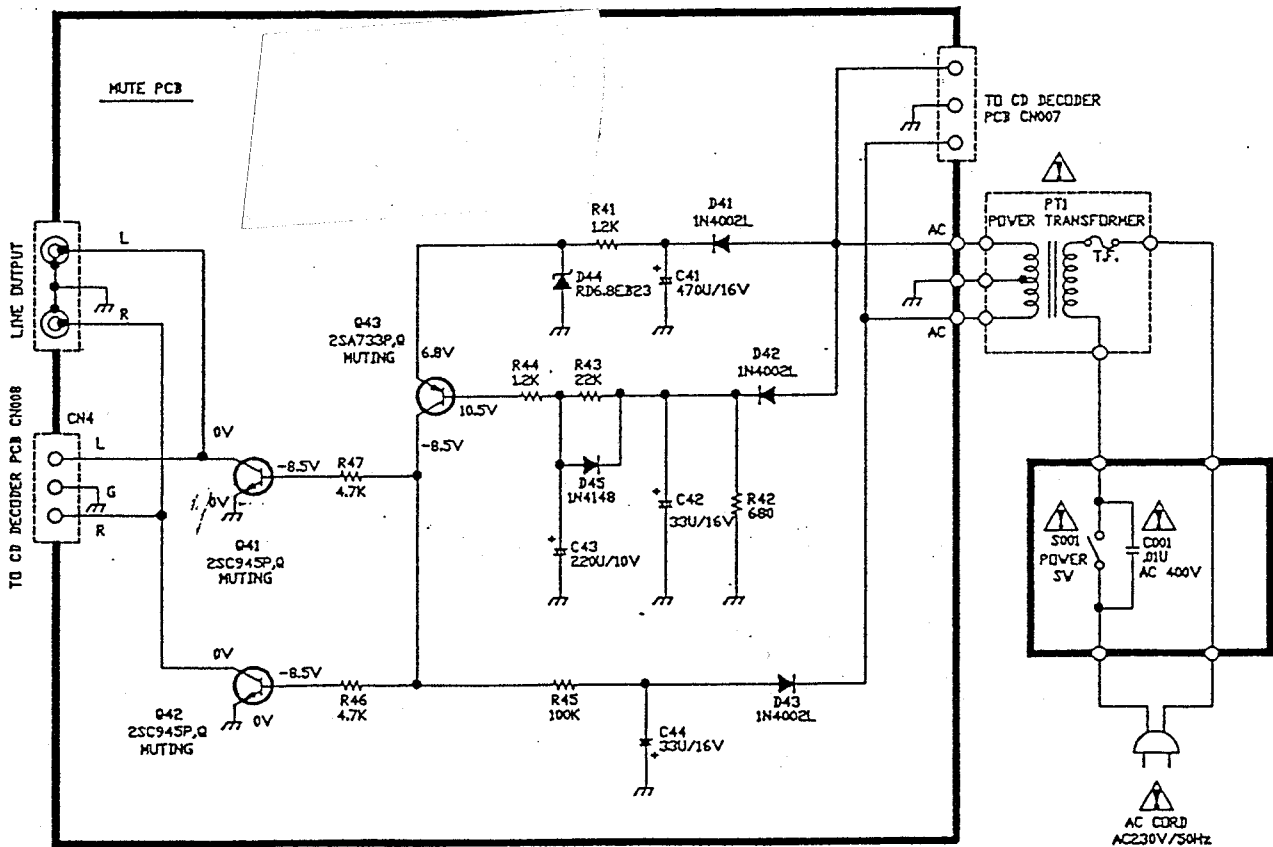
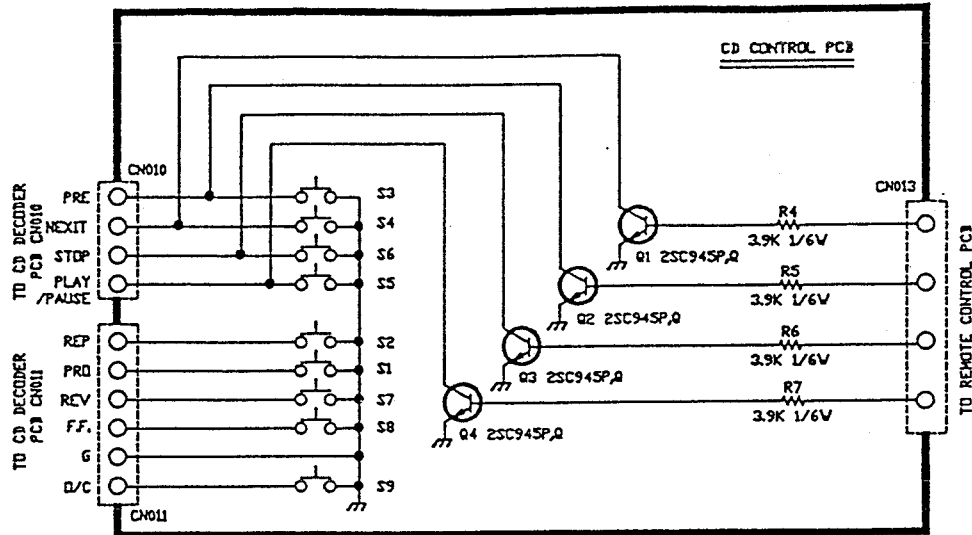
Focus Servo Gain Adjustment

1. Power OFF.
Disconnect CN009, and connect sony CDP servo analyzer.
2. Power ON and play the disc (YEDS-18)
3. Set servo analyzer in focus mode, and adjust SFR002.
4. Let the pointers in the center of the red area (GND to TP6).
5. Repeat the adjustment for the first and the last programs of the disc.

Track Servo Gain Adjustment

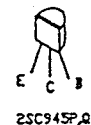
1. Set servo analyzer in track mode.
2. Adjust SFR001, let the pointers in the center of the red area (GND to TP6).
3. Repeat the adjustment for the first and the last programs of the disc.
4. Power OFF, re-connect CN009.

Remark: All the adjustment personnel should equipped with anti-static wristlet.



SCHEMATIC NOTES:

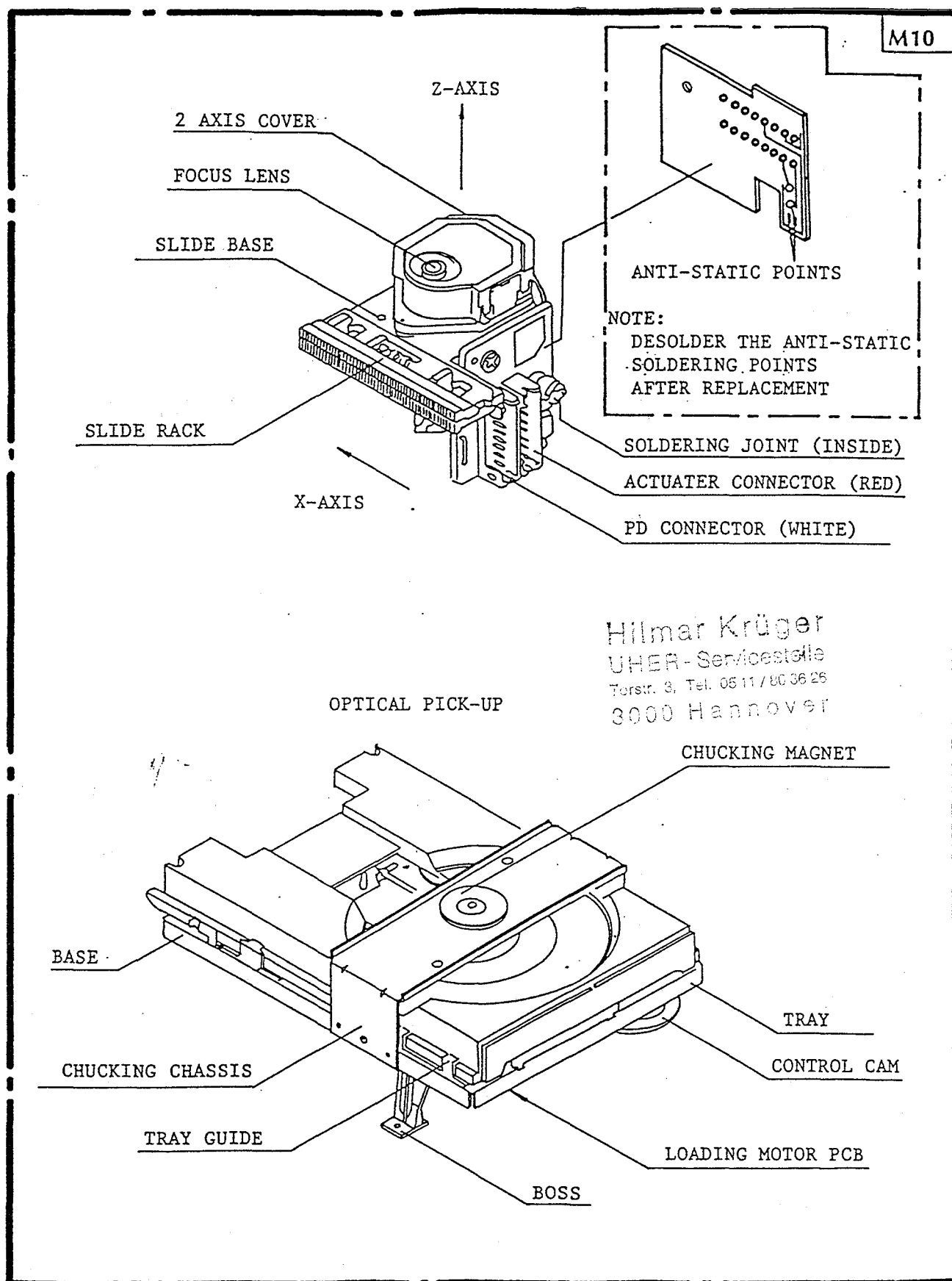
1. THE DC VOLTAGES WERE TAKEN WITH NO SIGNAL INPUT.
2. RESISTANCE VALUES ARE IN OHMS
K=1000Ω-MEGOHMS.
3. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1/4 WATT CARBON FILM ±5% TOLERANCE.
4. ALL VOLTAGES MEASURED FROM GROUND WITH A HIGH IMPEDANCE METER 10 MEGOHMS MIN.
5. REFER TO PARTS LIST FOR VOLTAGE RATINGS OF CAPACITORS.
6. =COMMON GROUND SYMBOL.
7. S1-S9 =TACT SWITCH.



ALL INTEGRATED CIRCUITS AND MANY OTHER SEMICONDUCTOR DEVICES ARE ELECTROSTATICALLY SENSITIVE AND THEREFORE REQUIRE THE SPECIAL HANDLING TECHNIQUES DESCRIBED UNDER THE "ELECTROSTATICALLY SENSITIVE DEVICES" SECTION OF THIS SERVICE MANUAL.

CD Player Exploded View

Model No. COMPACT 1200

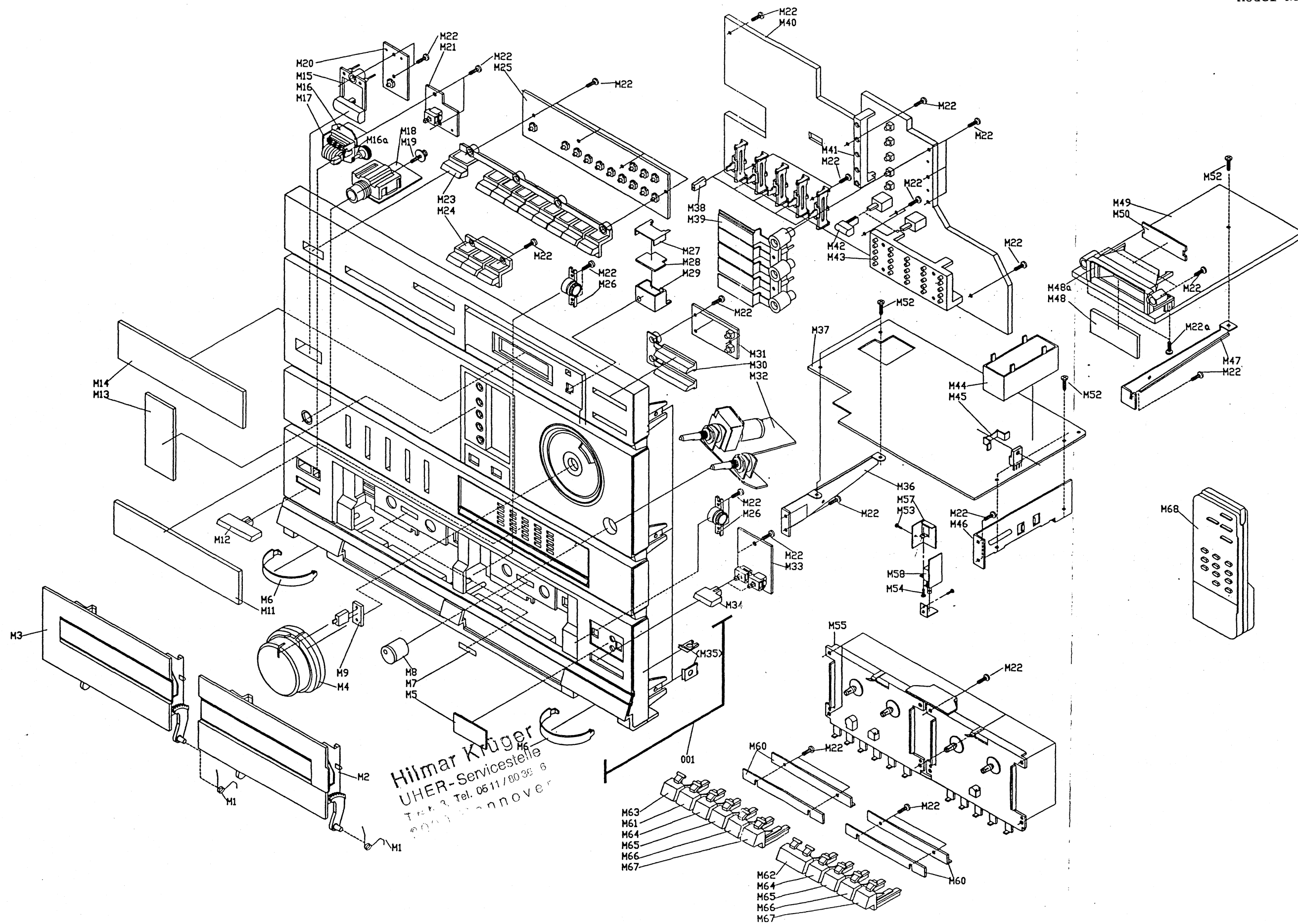


NOTE:

USE THIS DIAGRAM FOR REFERENCE ONLY. PARTS NOT AVAILABLE SEPARATELY.

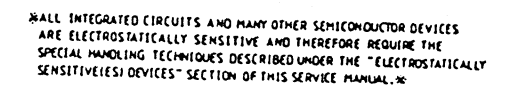
Model No. COMPACT 1200CD

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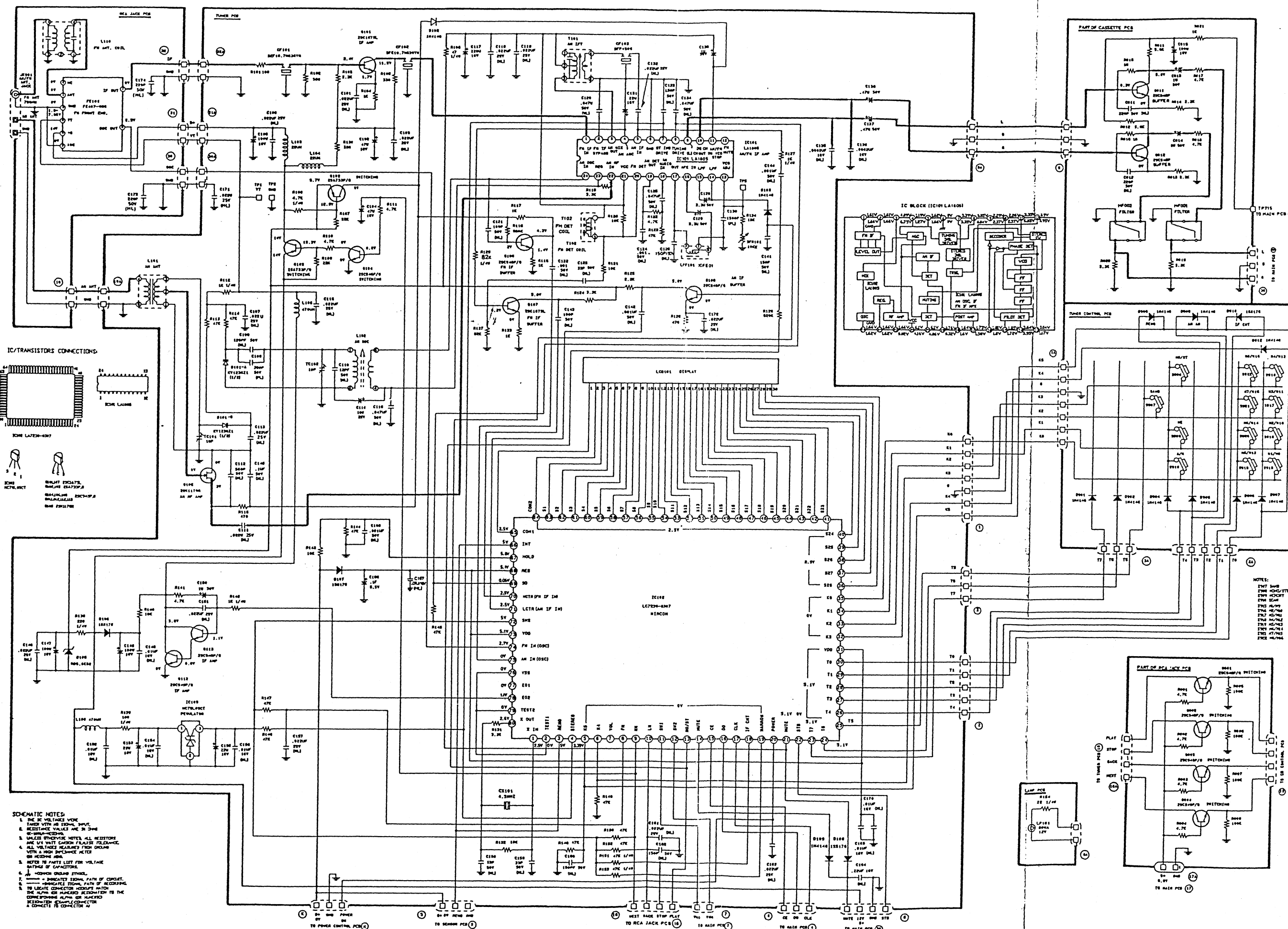
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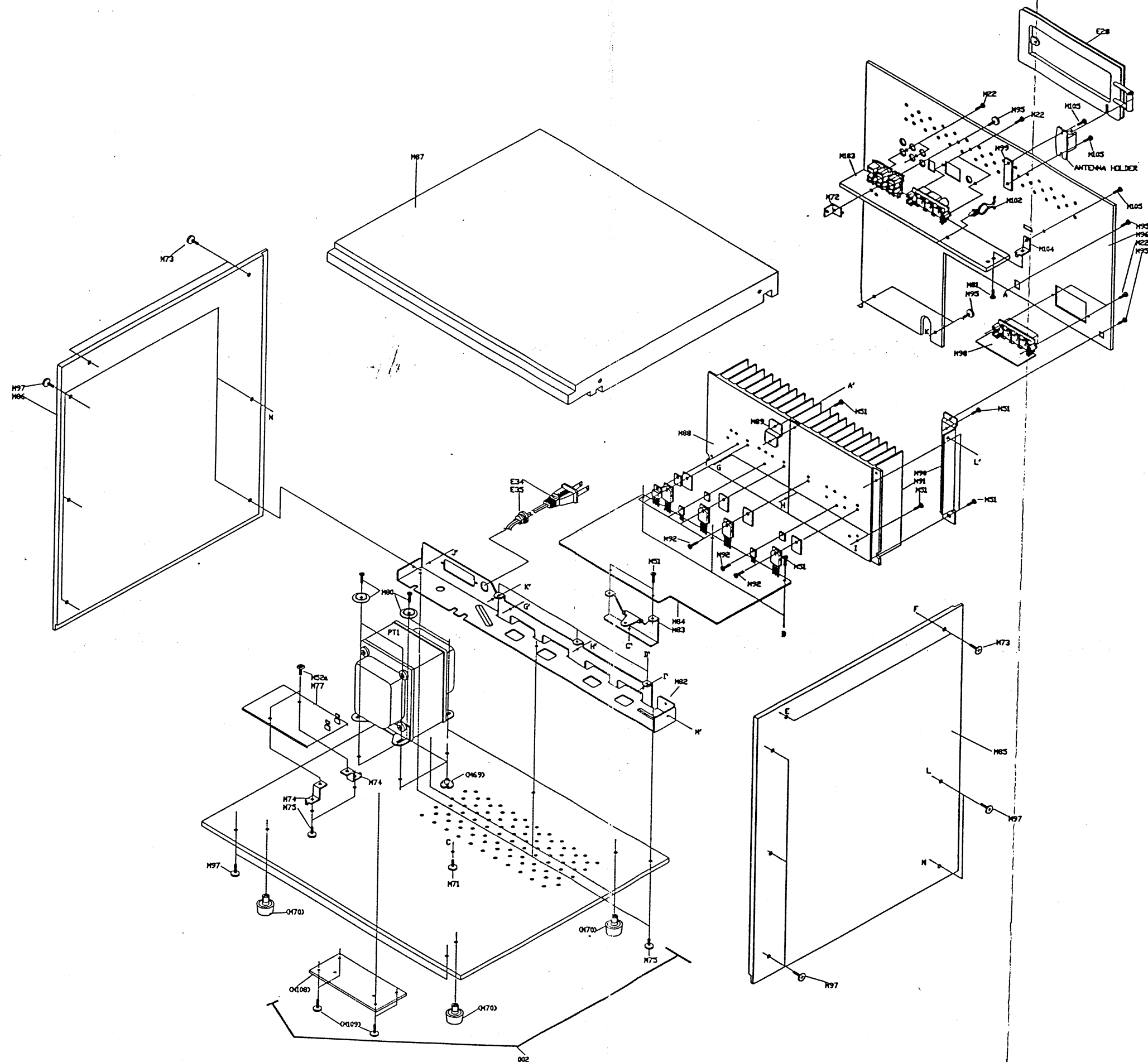
Model No. COMPACT 1200CD



Mechanical Exploded View (B)

Model No. COMPACT 1200CD

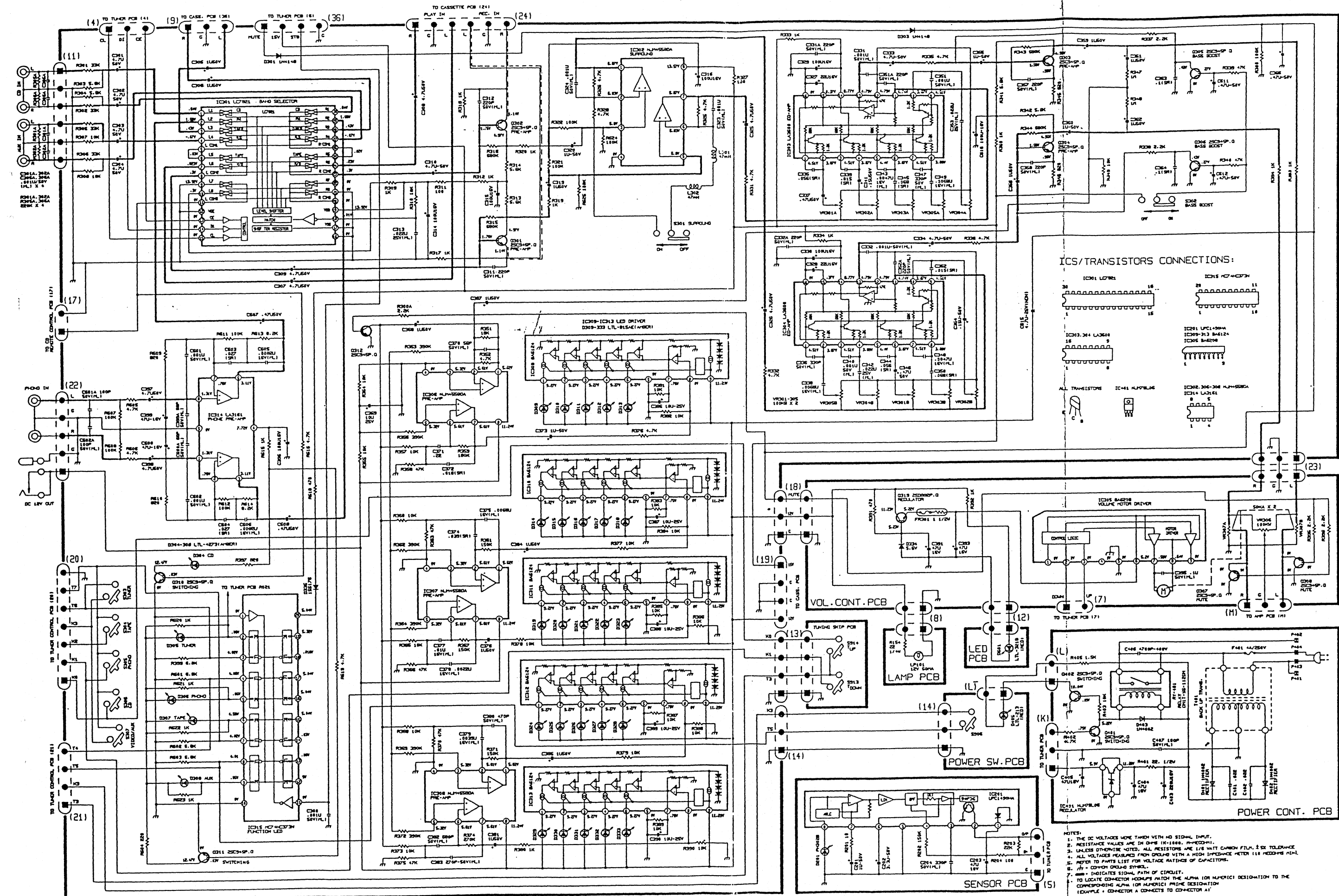
Model No. COMPACT 1200CD



Main Schematic Diagram

Model No. COMPACT 1200CD

Model No. COMPACT 1200CD



- NOTES:
1. THE DC VOLTAGES WERE TAKEN WITH NO SIGNAL INPUT.
 2. RESISTANCE VALUES ARE IN OHMS (1-1000), $m\Omega$ (1000-100000).
 3. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1/8 WATT CARBON FILM, $\pm 5\%$ TOLERANCE.
 4. ALL VOLTAGES MEASURED FROM GROUND WITH A HIGH IMPEDANCE METER (10 MEGOHMS MIN).
 5. REFER TO PARTS LIST FOR VOLTAGE RATINGS OF CAPACITORS.
 6. Δ = COMMON GROUND SYMBOL.
 7. \Rightarrow = INDICATES SIGNAL PATH OF CIRCUIT.
 8. TO LOCATE CONNECTION HOOKUPS MATCH THE ALPHA (OR NUMERIC) DESIGNATION TO THE CORRESPONDING ALPHA (OR NUMERIC) POSITION DESIGNATION.

Model No. COMPACT 1200CD

[illegible]

IC/TRANSISTORS/COILS CONNECTIONS:

ALL TRANSISTORS

IC781 TAJ78
IC782 TAJ81
IC091 OXAL

18

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Power Amplifier Schematic Diagram

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